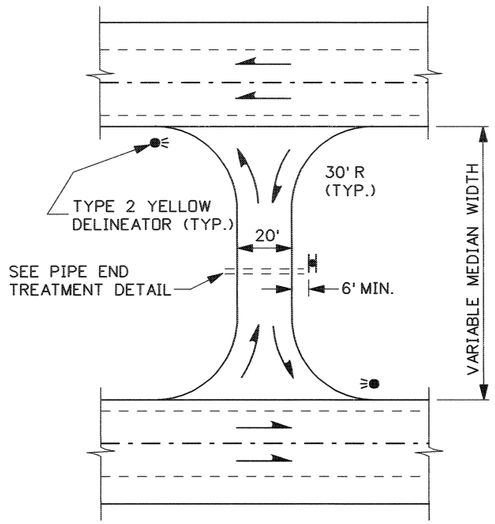
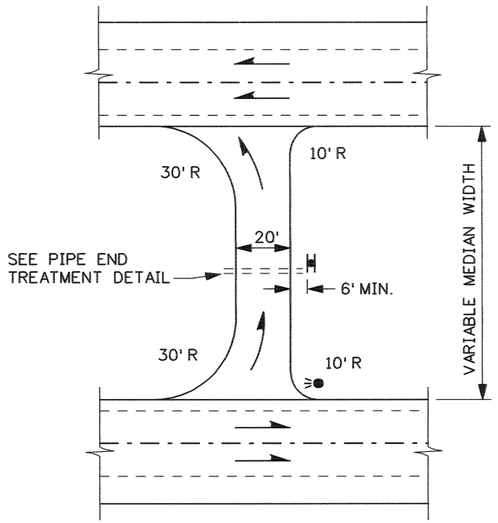
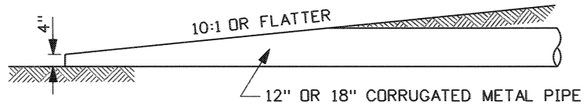


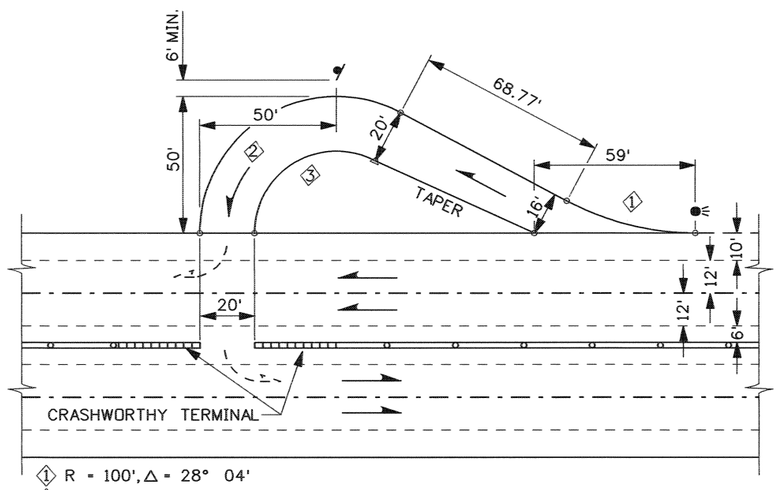
CROSSOVER TYPE A
(DUAL ACCESS)



CROSSOVER TYPE B
(SINGLE ACCESS)



PIPE END TREATMENT



CROSSOVER TYPE C
(NARROW MEDIAN)

NOTES

1. THE FOLLOWING CRITERIA SHALL BE USED IN LOCATING MEDIAN CROSSOVERS:
   - A. MEDIAN CROSSOVERS MAY BE LOCATED AT INTERCHANGES, REST AREAS, AND PORTS OF ENTRY WHEN NECESSARY TO ACCOMMODATE MAINTENANCE EQUIPMENT.
   - B. MEDIAN CROSSOVERS SHOULD NOT BE LOCATED BETWEEN INTERCHANGES SPACED LESS THAN 5 MILES APART AND SHOULD NOT BE SPACED AT INTERVALS CLOSER THAN 3 TO 4 MILES.
   - C. MEDIAN CROSSOVERS SHOULD BE AVOIDED IN URBAN AREAS WHERE THE CLOSE SPACING OF INTERCHANGES ALLOWS AMPLE TURNING OPPORTUNITIES.
   - D. MEDIAN CROSSOVERS SHOULD NOT BE LOCATED CLOSER THAN 1500 FEET FROM THE END OF A SPEED-CHANGE TAPER OF A RAMP, OR ANY STRUCTURE THAT CROSSES OVER THE FREEWAY.
   - E. MEDIAN CROSSOVERS SHALL BE LOCATED WHERE ABOVE-MINIMUM STOPPING SIGHT DISTANCE EXISTS, AND PREFERABLY WILL NOT BE LOCATED ON CURVES REQUIRING SUPERELEVATION.
2. IN AREAS WHERE THE MEDIAN IS LESS THAN 68 FEET BETWEEN SHOULDERS, A MEDIAN CROSSOVER TYPE C MAY BE PROVIDED. IT MAY BE CONSTRUCTED IN CONJUNCTION WITH A SINGLE OR DUAL ACCESS CROSSOVER AS CONDITIONS PERMIT.
3. A MEDIAN CROSSOVER TYPE B SHOULD BE CONSTRUCTED TO SERVICE AUTHORIZED VEHICLES TRAVELING IN ONE DIRECTION. THIS TYPE IS USED NEAR INTERCHANGES, REST AREAS, AND PORTS OF ENTRY. A MEDIAN CROSSOVER TYPE A SHALL BE CONSTRUCTED TO SERVICE AUTHORIZED VEHICLES TRAVELING IN EITHER DIRECTION.
4. THE CROSSOVER SHOULD BE DEPRESSED BELOW SHOULDER LEVEL TO BE INCONSPICUOUS TO TRAFFIC. THE SURFACE MATERIAL SHALL BE A ¾" AGGREGATE BASE WITH A MINIMUM 6" COMPACTED DEPTH.
5. THE MEDIAN CROSSOVER GRADE SHALL BE -2% FROM THE EDGE OF THE SHOULDER AND BE CARRIED AS FAR AS THE TERRAIN WILL PERMIT. CROSSOVER TYPE C WILL BE GRADED TO BLEND WITH THE EXISTING FREEWAY SHOULDER.
6. THE CROSSOVER SIDE SLOPE SHALL BE 10:1 OR FLATTER. SLOPES SHALL BE BLENDED SMOOTHLY AROUND EACH RADIUS TO AVOID CREATING A DITCH SECTION NEXT TO THE MAINLINE ROADWAY.
7. WHERE MEDIAN BARRIERS ARE EMPLOYED, EACH END OF THE BARRIER AT THE OPENING SHALL HAVE A CRASHWORTHY TERMINAL.
8. DRAINAGE REQUIRING A 12" OR 18" DIAMETER PIPE SHALL BE TAPERED AS SHOWN. DRAINAGE REQUIRING A LARGER PIPE SHALL UTILIZE A DROP INLET AND BE DRAINED ACROSS THE INTERSTATE IF POSSIBLE. IF THE TERRAIN DOES NOT PERMIT CROSS-DRAINAGE, A TRAVERSABLE TAPERED INLET-OUTLET DESIGN SHOULD BE USED. THE DESIGN MUST NOT EXCEED A SLOPE OF 10:1 AND MUST BE TRAVERSABLE TO AN UNCONTROLLED VEHICLE.
9. A MEDIAN CROSSOVER SIGN (R8-8) WILL BE LOCATED IN THE CENTER OF THE MEDIAN AT A MINIMUM 6 FEET FROM THE EDGE OF THE CROSSOVER. TWO SIGNS BACK TO BACK SHALL BE MOUNTED ON A BREAKAWAY POST FACING THE MAIN ROUTE TRAFFIC WITH A 7 FOOT CLEARANCE ABOVE THE CROSSOVER SURFACE. ON "CROSSOVER TYPE C" A SINGLE SIGN FACING THE MAIN LINE TRAFFIC SHALL BE MOUNTED. THE BREAKAWAY FEATURE ON THE POST SHALL BE CONSTRUCTED TO ACCOMMODATE THE MAIN ROUTE TRAFFIC.
10. A TYPE 2 YELLOW DELINEATOR SHALL BE PLACED FOR ONE OR BOTH DIRECTIONS OF TRAFFIC FLOW.
11. NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	5-90	GB	6	3-05	MSM			
2	7-90	GB						
3	4-92	MSM						
4	6-97	HEB						
5	1-00	HEB						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME a7__0305.std

DRWG. ORIG. DATE: MAY, 1988

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

CHIEF ENGINEER

STANDARD DRAWING

MEDIAN CROSSOVERS

English

STANDARD DRWG. NO.

A-7

SHEET 1 OF 1

PROFESSIONAL ENGINEER * LAND SURVEYOR
REGISTERED
2240
3/8/05
STATE OF IDAHO
MILFORD MILLER